

# An interesting new record of *Macrogastra borealis bielzi* Nordsieck, 1993 (Gastropoda: Clausiliidae) in Hungary

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**Abstract.** *Macrogastra borealis bielzi* Nordsieck, 1993, a rather rare clausilid snail in Hungary, is distributed in the Carpathian-Baltic area. In the course of collecting trips between 1974 and 2002 in the Duna-Ípoly National Park, Börzsöny Mountains, the presence of this species was proved. The new data is the southernmost and westernmost point of its occurrence.

Within the scope of the Hungarian Malacological Fauna Mapping (and EIS), I carried out, from 1974, faunistical and ecological investigations in the Duna-Ípoly National Park, Börzsöny Mountains, northern Hungary. I could note several new and zoogeographically interesting data of snail occurrences in the northern regions of the country (Erőss, 1980, 1981). The most interesting of them was the finding of the clausilid species *Macrogastra borealis bielzi* Nordsieck, 1993. This snail species is distributed in the Carpathian-Baltic geographical area, and was only sporadically observed in Hungary.

In the northern mountains of the country, *M. borealis bielzi* has already been observed in the Aggteleki Karszt, Zemplén and Karancs Mountains, Mátra Mountains, and in some occasions also in the Bükk Mountains (Pintér, Richnovszky, & Szigethy, 1979).

Although Varga (1976) reported this species from the Börzsöny, the probably very small population has meanwhile disappeared. I had spent many years in trying to rediscover this clausilid in the Börzsöny region.

At least, in 1998, I found it, 6 km away in the direction North-east and 650 metres higher at Tátalátó (915 m above sea-level), part of Magosfa, in an old beech wood, under the bark of a fallen trunk. One (dead) specimen of this population is deposited in the Natural History Museum, Budapest, Hungary.

From zoogeographically point of view, this discovery is more interesting, because this is the outermost occurrence of the species in the directions of south-west, quite far from the Carpathian-Baltic region, the true distribution area of it.

The present occurrence is so isolated, that rather *Macrogastra plicatula rusiostoma* Held, 1836 had been prospective than *Macrogastra borealis bielzi* (Fehér & Gubányi, 2001).

It is worth mentioning a small and special Gastropoda coexistence that could be observed under the bark of the same trunk where *M. borealis bielzi* was detected. Of the twelve species, five belonged to the strictly protected snails of our fauna (marked with stars):

*Balea biplicata*  
*Cochlodina cerata*\*  
*Cochlodina laminata*  
*Clausilia pumila*  
*Discus perspectivus*  
*Discus rotundatus*  
*Discus ruderratus ruderratus*\*  
*Ena montana*\*  
*Macrogastra borealis bielzi*  
*Macrogastra ventricosa*  
*Ruthenica filigrana*\*  
*Vestia turgida*\*

**Acknowledgements.** The author is grateful to András Varga and Dr. Zoltán Fehér for their comments on the manuscript.

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